GROUPER

AT

LAFAYETTE COLLEGE

WHO AM I?

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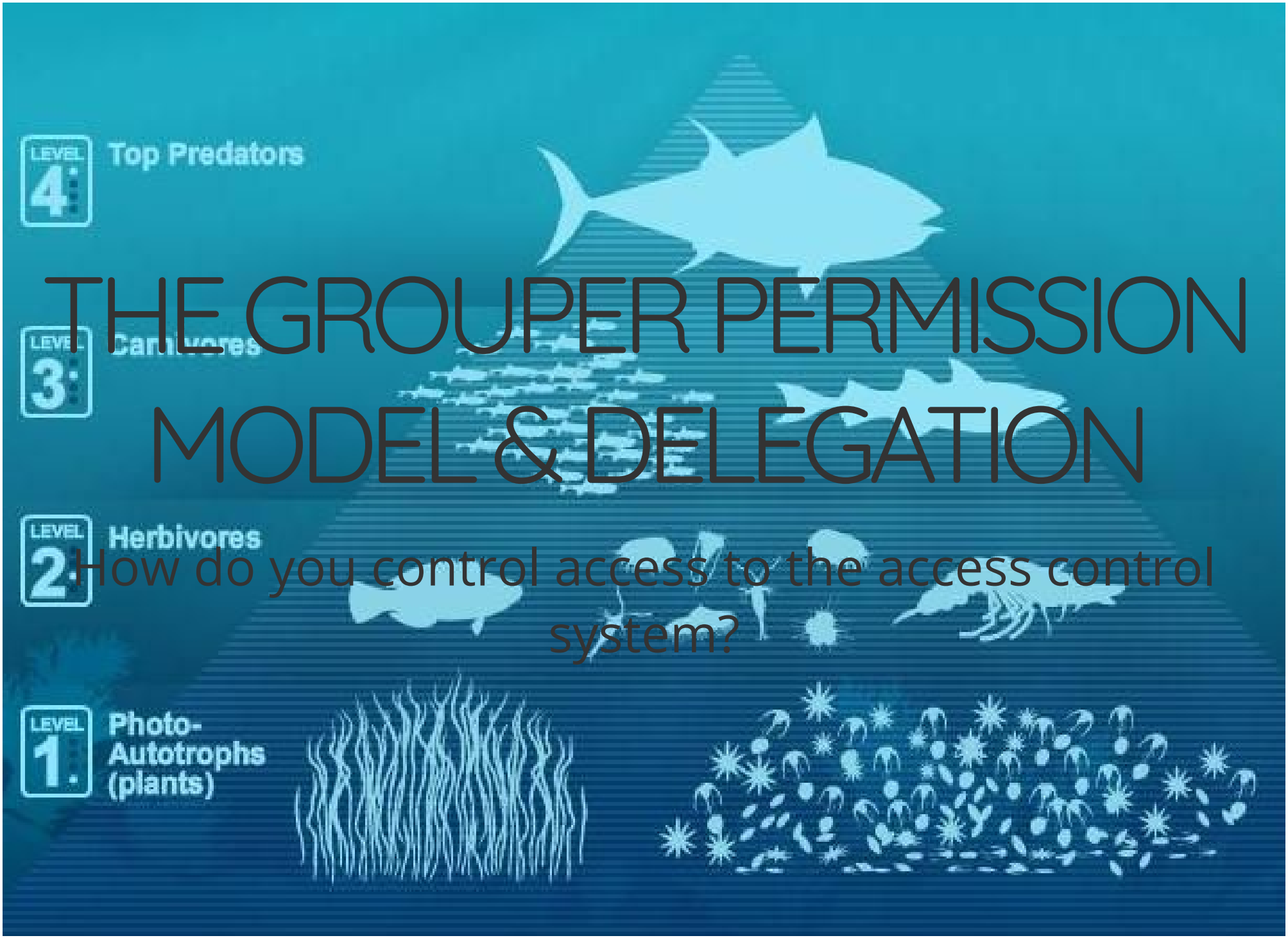
TOPICS COVERED

KINDS OF GROUPS

Groups have similar structure, but not all groups have the same *meaning*.



THE GROUPER PERMISSION MODEL & DELEGATION

How do you control access to the access control system?

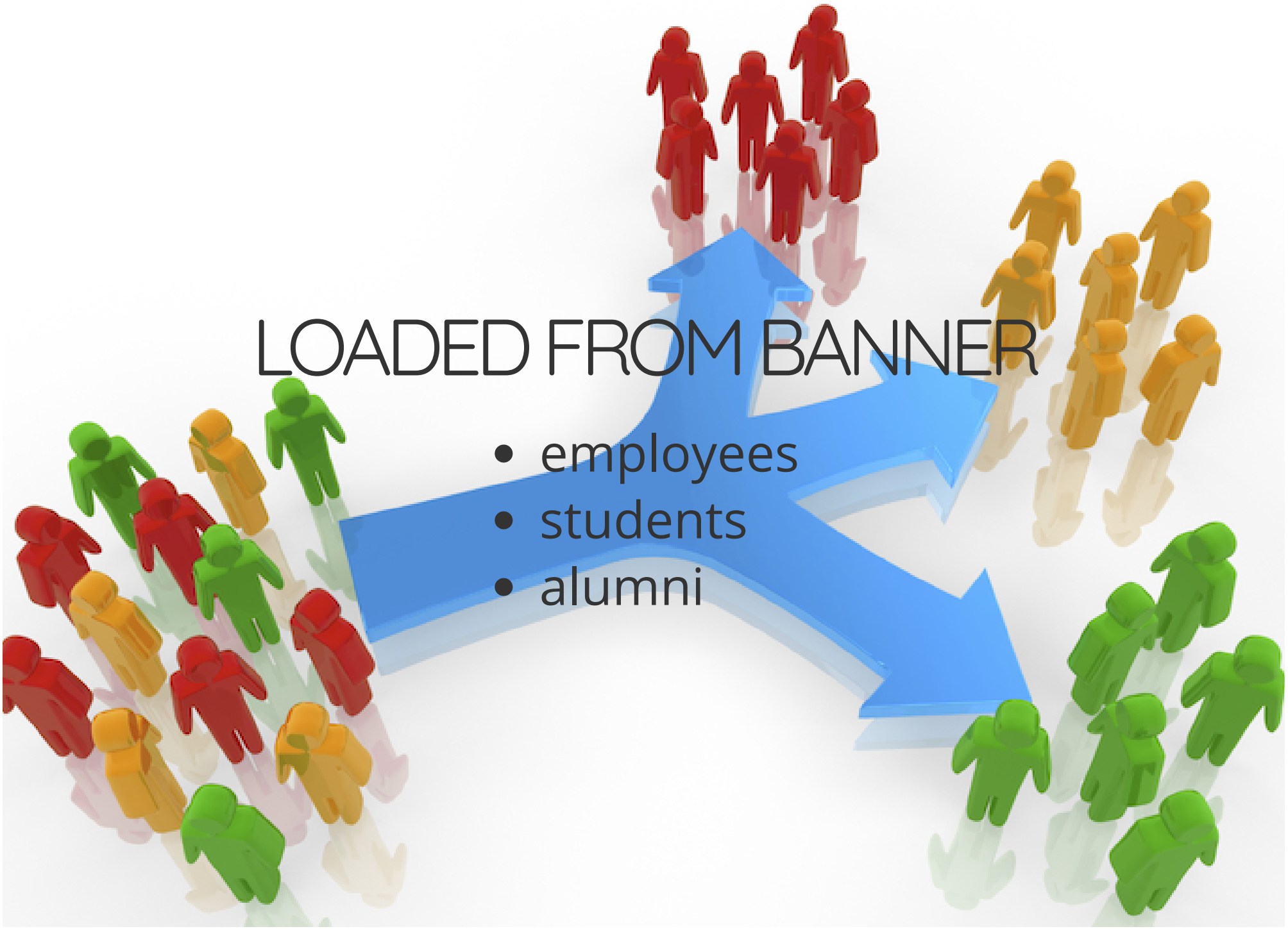
AUTOMATING TASKS WITH
THE GROUPER SHELL
Some jobs are just too big for point and click.

ACCESS CONTROL MODELS
What do policies mean in the *real* world?

PROVISIONING WITH RABBITMQ EXCHANGE

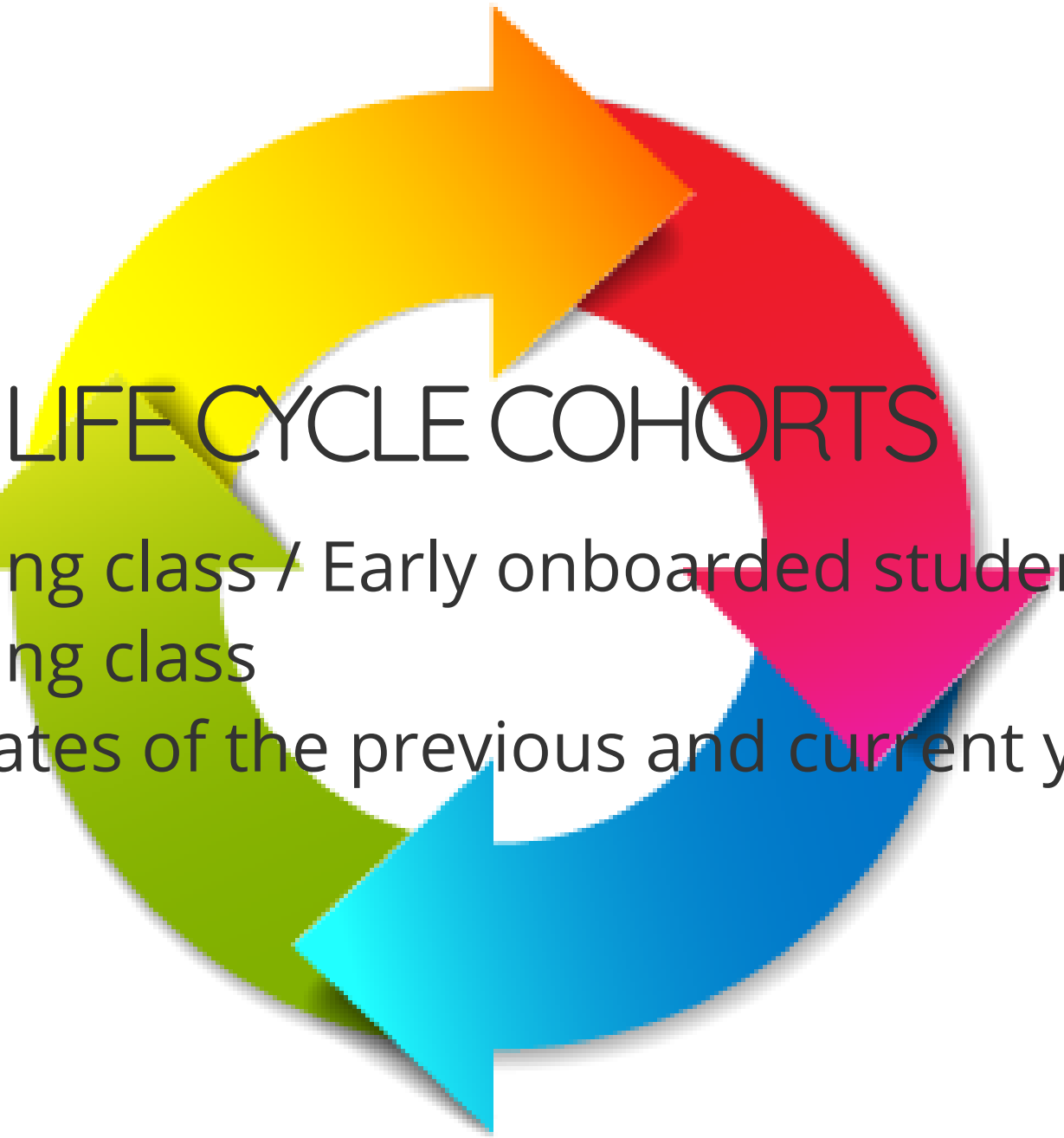
From policy definitions to policy enforcement, this is where the rubber meets the road.

KINDS OF GROUPS
BASIS AND REFERENCE GROUPS
Sources of truth in Grouper.


LOADED FROM BANNER
• employees
• students
• alumni

MAINTAINED IN GROUPER

- Ex Officio roles
- Trustees and Cabinet
- Departmental roles



LIFE CYCLE COHORTS

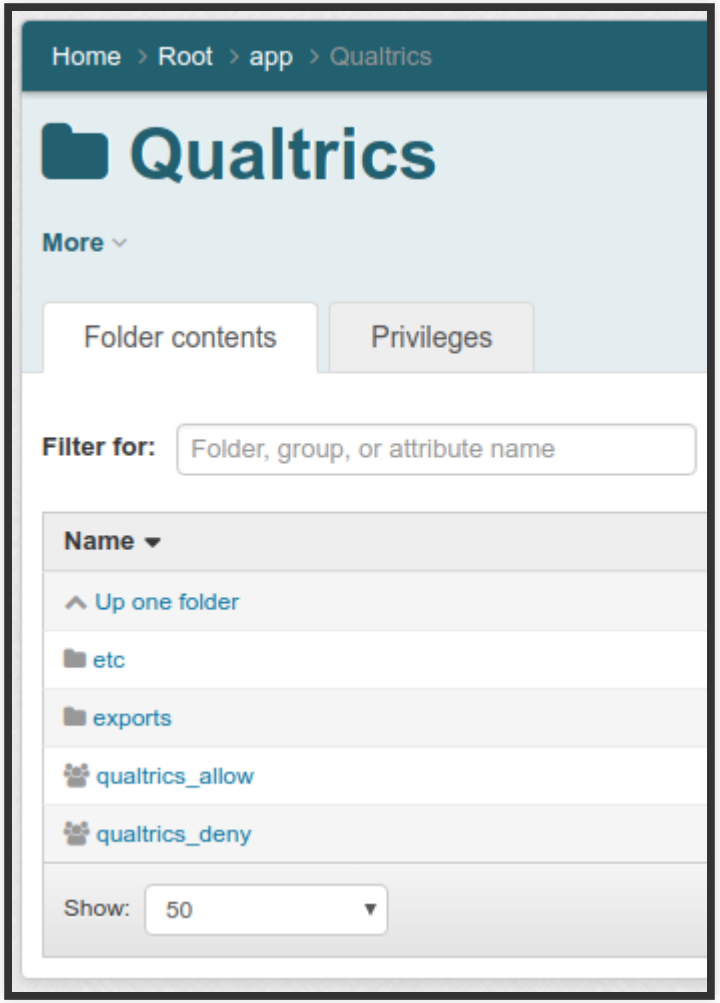
- Incoming class / Early onboarded students
- Outgoing class
- Graduates of the previous and current years

KINDS OF GROUPS
BUNDLES
Bundles group *unrelated* cohorts that have access to the same set of services.

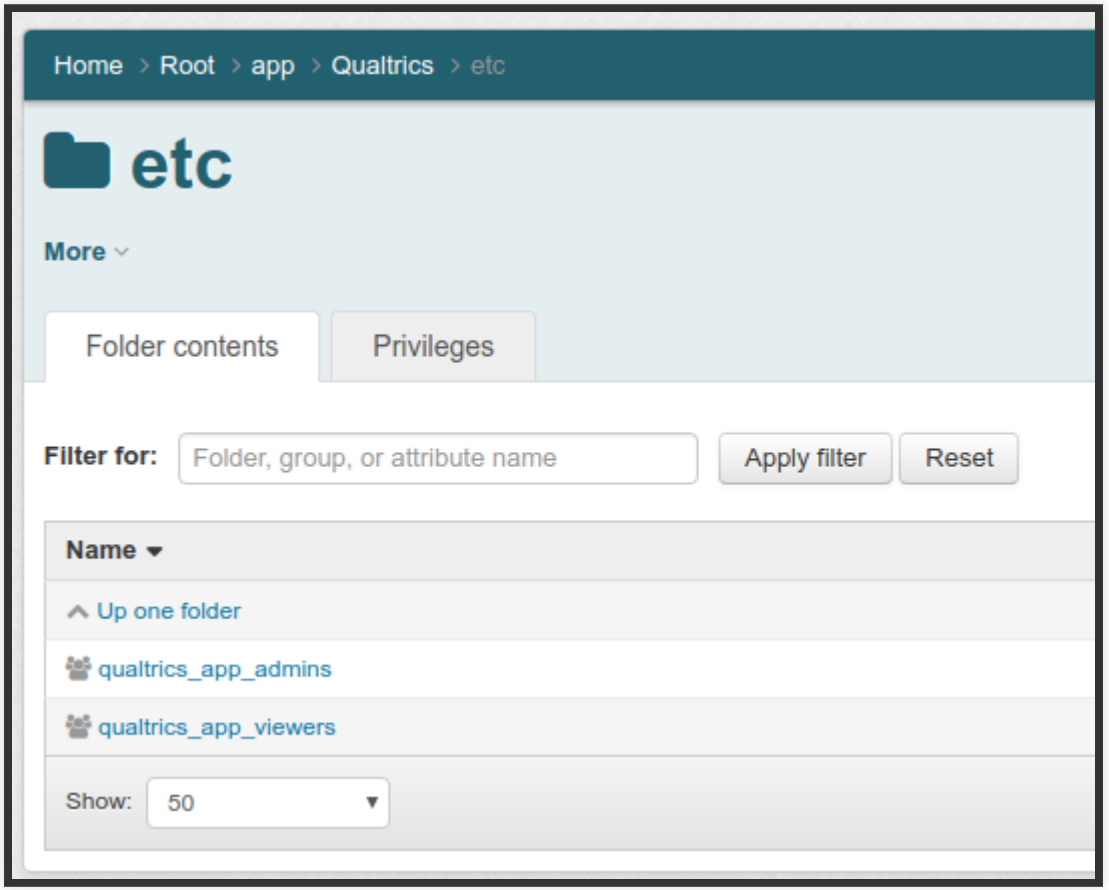
KINDS OF GROUPS
ACCESS AND PROVISIONING POLICIES

PERMISSIONS AND
DELEGATION IN GROUPER

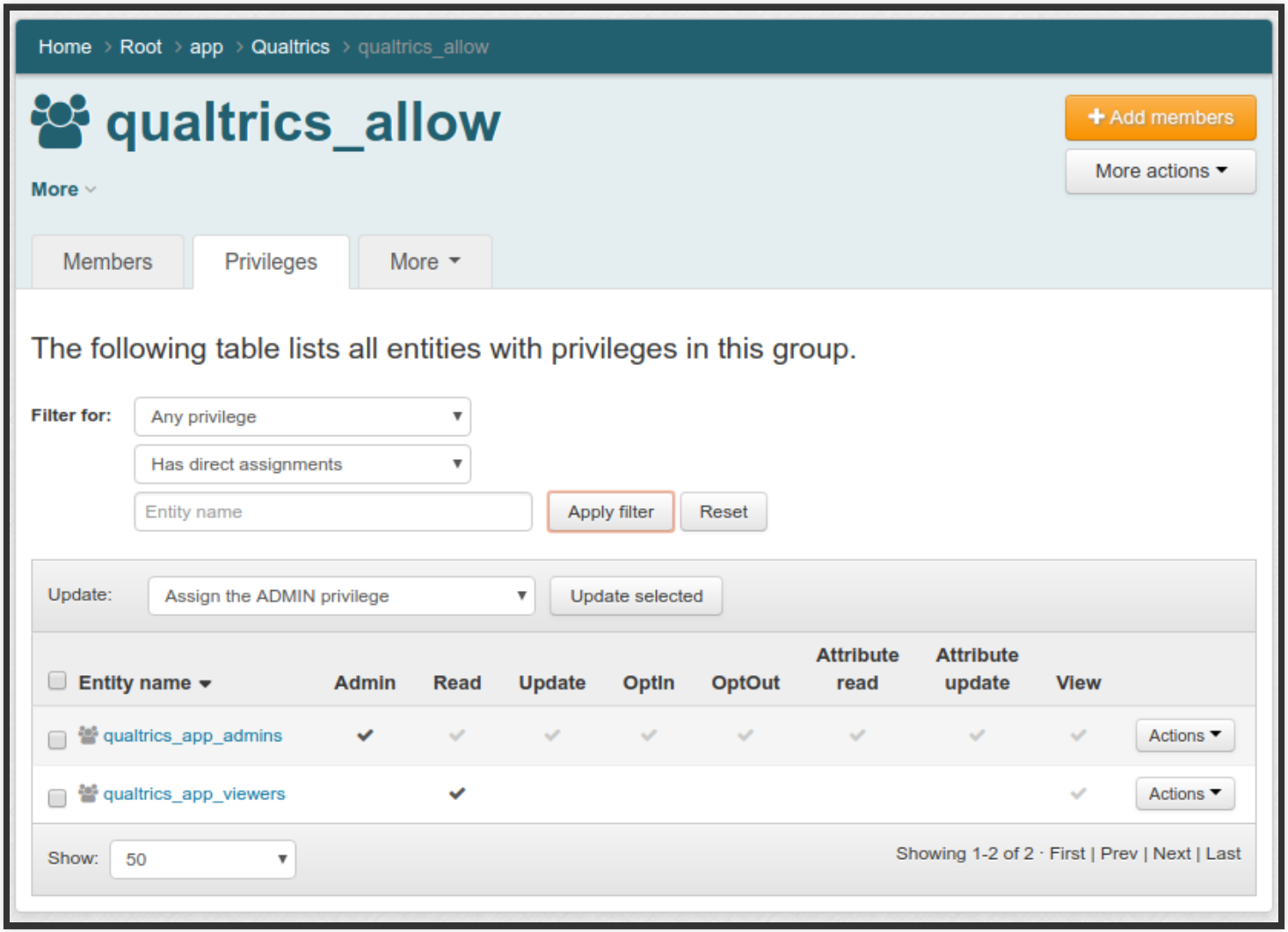
App structure contains an *etc* folder.



The *etc* folder has policy groups for admins



The admin and viewer groups are assigned permissions on policy groups.



AUTOMATING TASKS
https://github.com/cwaldbieser/grouper_jython_scripts

CREATE CONSISTENT APP
STRUCTURE

MASS EXPIRATIONS

SETTING UP LOADER JOBS.

Loading

ACCESS CONTROL MODELS

ACM I - SUBJECT ATTRIBUTES

UNIVERSITY TICKETS

ACM II - GROUPER AS PAP AND PDP

VPN ROLES

ACM III - USER - ROLE - PERMISSION
MAPPING
COGNOS, BOARD EFFECT,
SPLUNK

TARGET SYSTEMS

ROUTING

PROVISIONER DELIVERY
SERVICE

RABBITMQ EXCHANGE

RabbitMQ™

PROVISIONERS